

## MULTIFOCAL PVC DETECTION FOR PREVENTION OF ARRHYTHMIAS

### ABSTRACT OF THE DISCLOSURE

Multifocal PVCs are detected and prevented. If the PVCs being detected have variable coupling intervals and significantly different morphologies, they are deemed multifocal and a prevention therapy is activated for a short period of time. In another embodiment, multifocality and the need for prevention therapy are determined based on morphology alone. Feedback mechanisms are used to adjust thresholds for coupling interval and morphology if the PVCs are considered not multifocal, but ventricular arrhythmia still occurs. In an embodiment, only morphologies are compared.

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